

CLAIM AMENDMENTS

1-9. (Cancelled)

10. (Previously Presented) A circuit card, which can be fitted to a card slot of a device for personal communication, data collection, and data processing, and comprising:

optics built in said circuit card for obtaining image information;

an image sensor in said circuit card for obtaining image information;

an image processing unit in said circuit card;

a memory unit in said image processing unit for storing obtained image information; and

a processor unit in said image processing unit for processing obtained image information.

11. (Previously Presented) A circuit card according to claim 10, wherein said memory unit comprises at least volatile and non-volatile memory.

12. (Previously Presented) A circuit card according to claim 10, further comprising a power supply for providing power to maintain said obtained image information in said memory unit.

13. (Previously Presented) A circuit card according to claim 10, wherein said image sensor is a semiconductor camera.

14. (Previously Presented) A circuit card according to claim 10, further adapted to fit into a card slot of a device for personal communication, data collection and data processing that is a PCMCIA compatible card slot.

15. (Previously Presented) A circuit card according to claim 10, wherein said circuit card has physical dimensions corresponding substantially with those of a standard PCMCIA circuit card.

16. (Previously Presented) A circuit card according to claim 10, further comprising means for performing a character recognition task on image information obtained by said image sensor for generating a set of recognized characters.

17. (Previously Presented) A circuit card according to claim 16, wherein said means for performing a character recognition task comprises a software program stored in the memory unit of the circuit card.

18. (Previously Presented) A circuit card according to claim 10, further comprising means for performing a pattern recognition task on a graphical object in said image information obtained by said image sensor.

19. (Previously Presented) A circuit card according to claim 18, wherein said means for performing a pattern recognition task comprises a software program stored in the memory unit of the circuit card.

20. (Previously Presented) A circuit card according to claim 10, further comprising an output coupled to said image processing means for outputting image information obtained by said image sensor to said device for personal communication, data collection, and data processing.

21. (Previously Presented) A circuit card, which can be fitted to a card slot of a device for personal communication, data collection, and data processing, comprising:

optical means, in said circuit card, for obtaining image information;

image sensor means, in said circuit card, for obtaining image information from said optical means; and

an image processing unit, in said circuit card, comprising:

memory means for storing image information obtained by said image sensor means; and

processor means for processing image information obtained by said image sensor means.

22. (Previously Presented) A circuit card according to claim 21, further comprising character recognition means for performing a character recognition task on image information obtained by said image sensor means and generating a set of recognized characters.

23. (Previously Presented) A circuit card according to claim 22, wherein said character recognition means comprises a software program stored in said memory means.

24. (Previously Presented) A circuit card according to claim 21, further comprising pattern recognition means for performing a pattern recognition task on graphical information in said image information obtained by said image sensor.

25. (Previously Presented) A circuit card according to claim 24, wherein said pattern recognition means comprises a software program stored in said memory means.

26. (Previously Presented) A circuit card according to claim 21, further comprising an output coupled to said image processing unit for outputting image information obtained by said image sensor means to said device for personal communication, data collection, and data processing.